FIG. 1

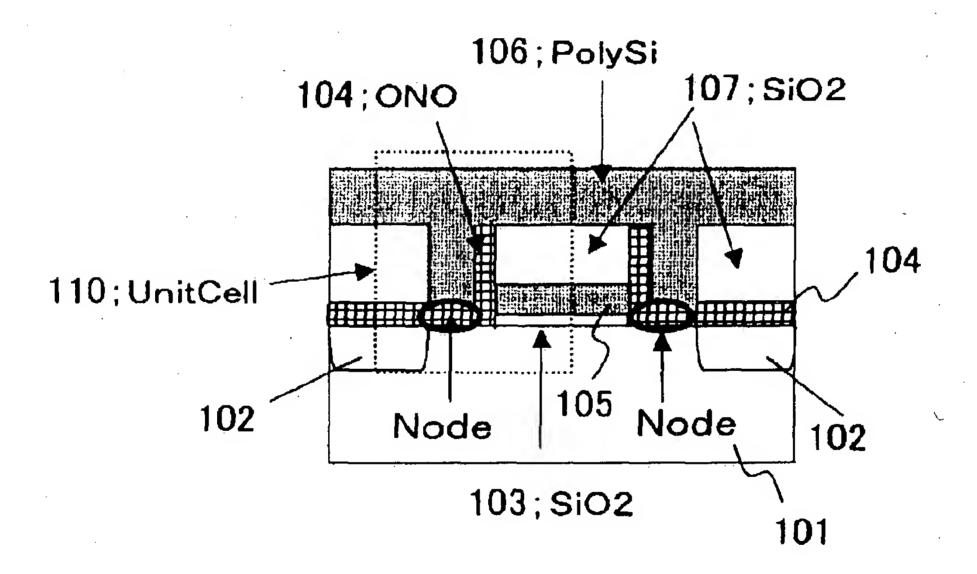
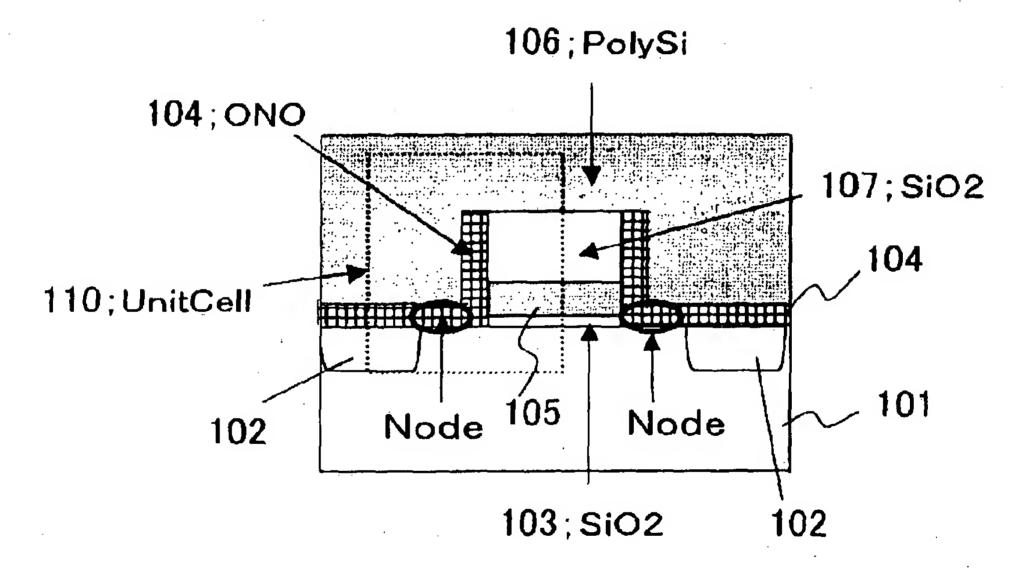


FIG. 2



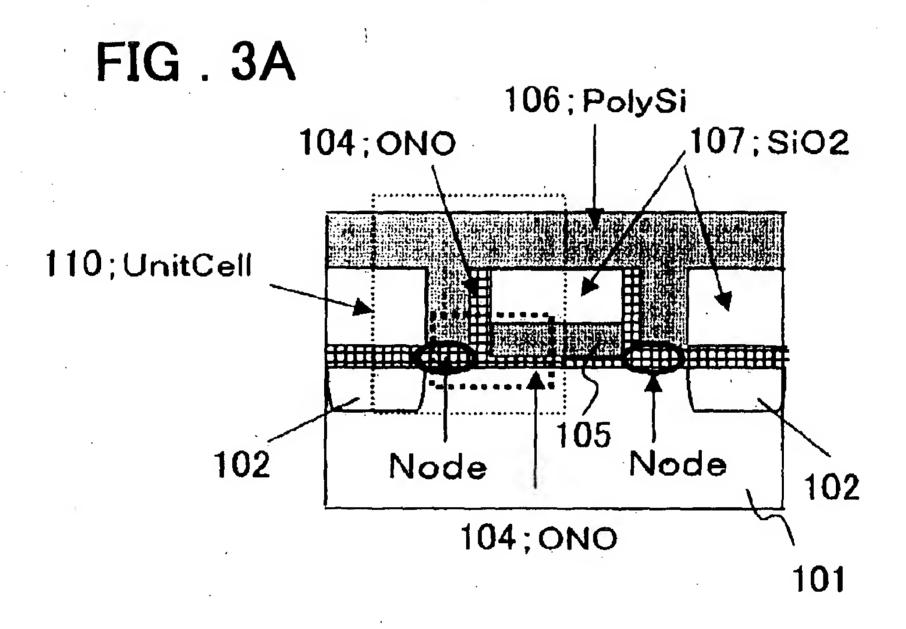


FIG. 3B

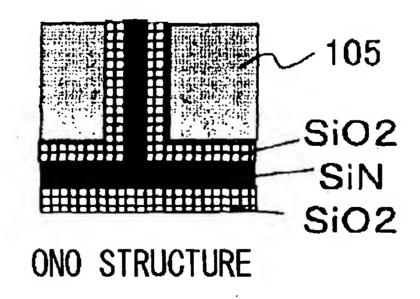
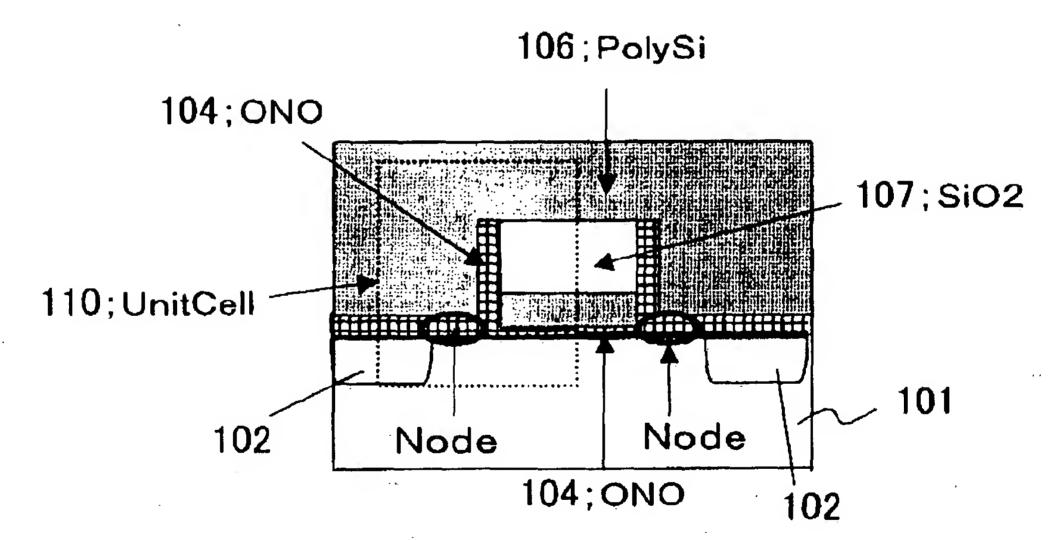
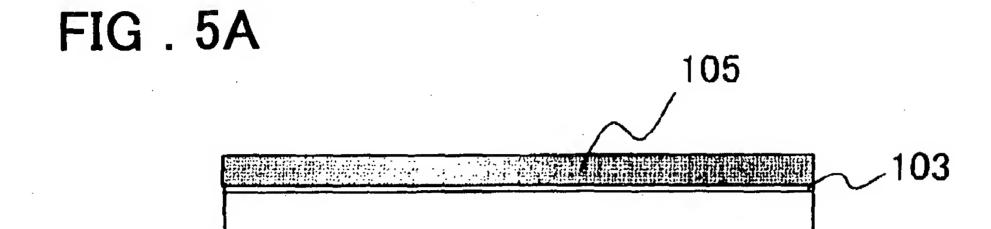


FIG. 4





101

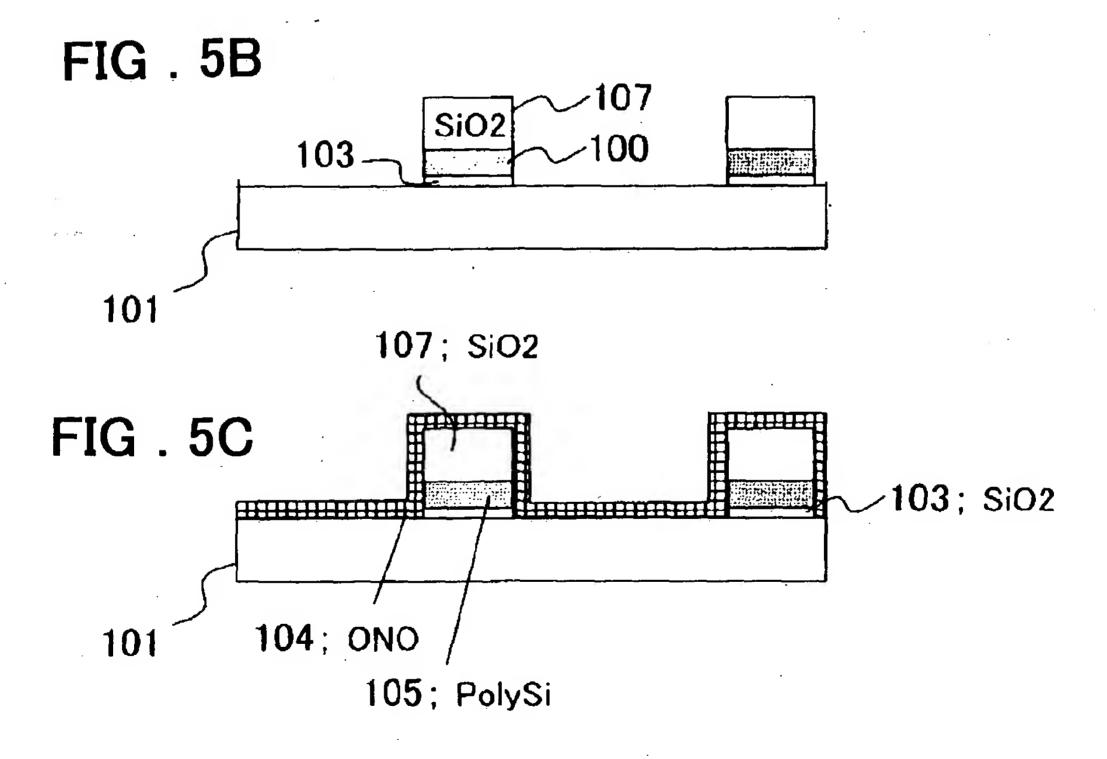
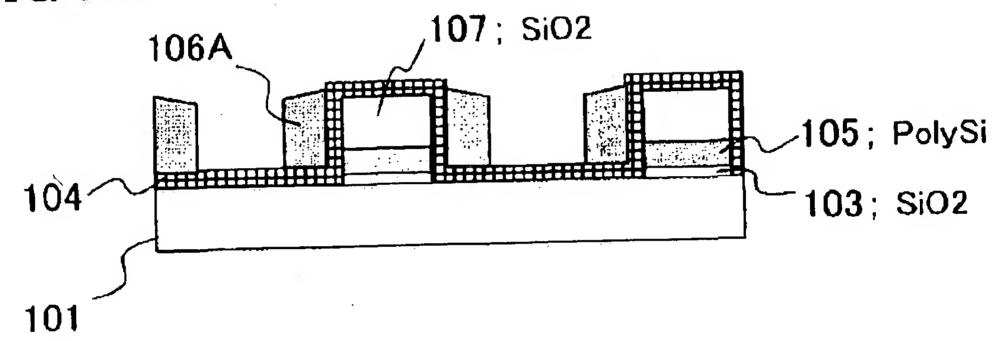
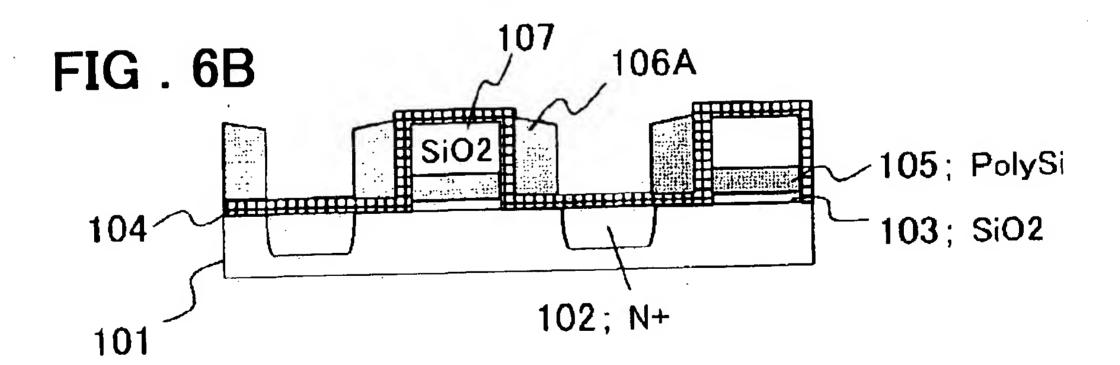
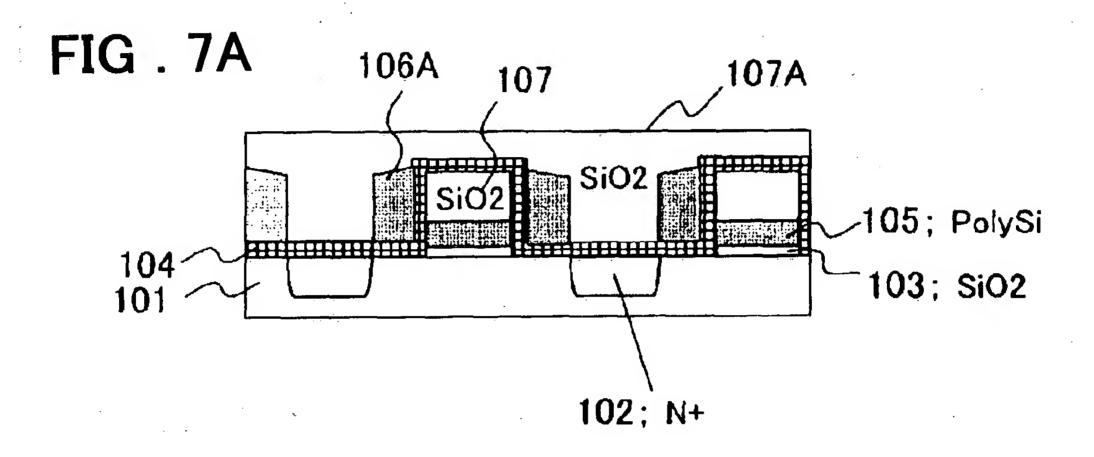
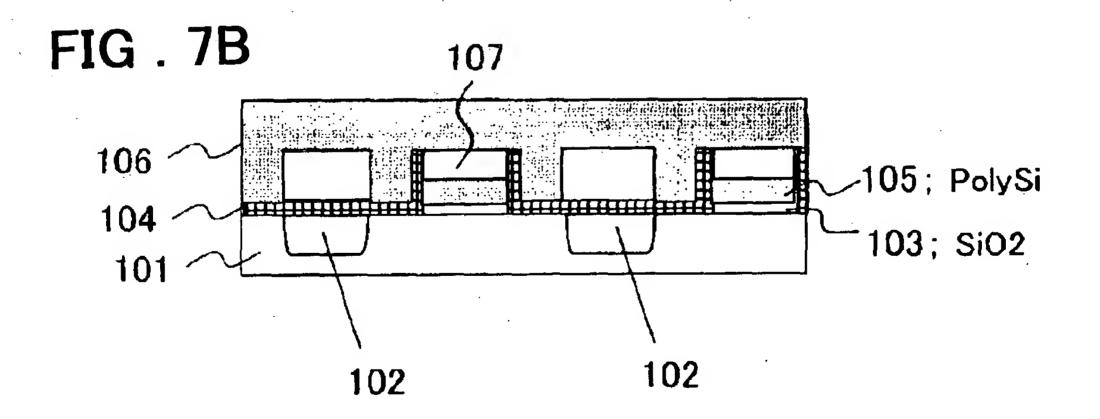


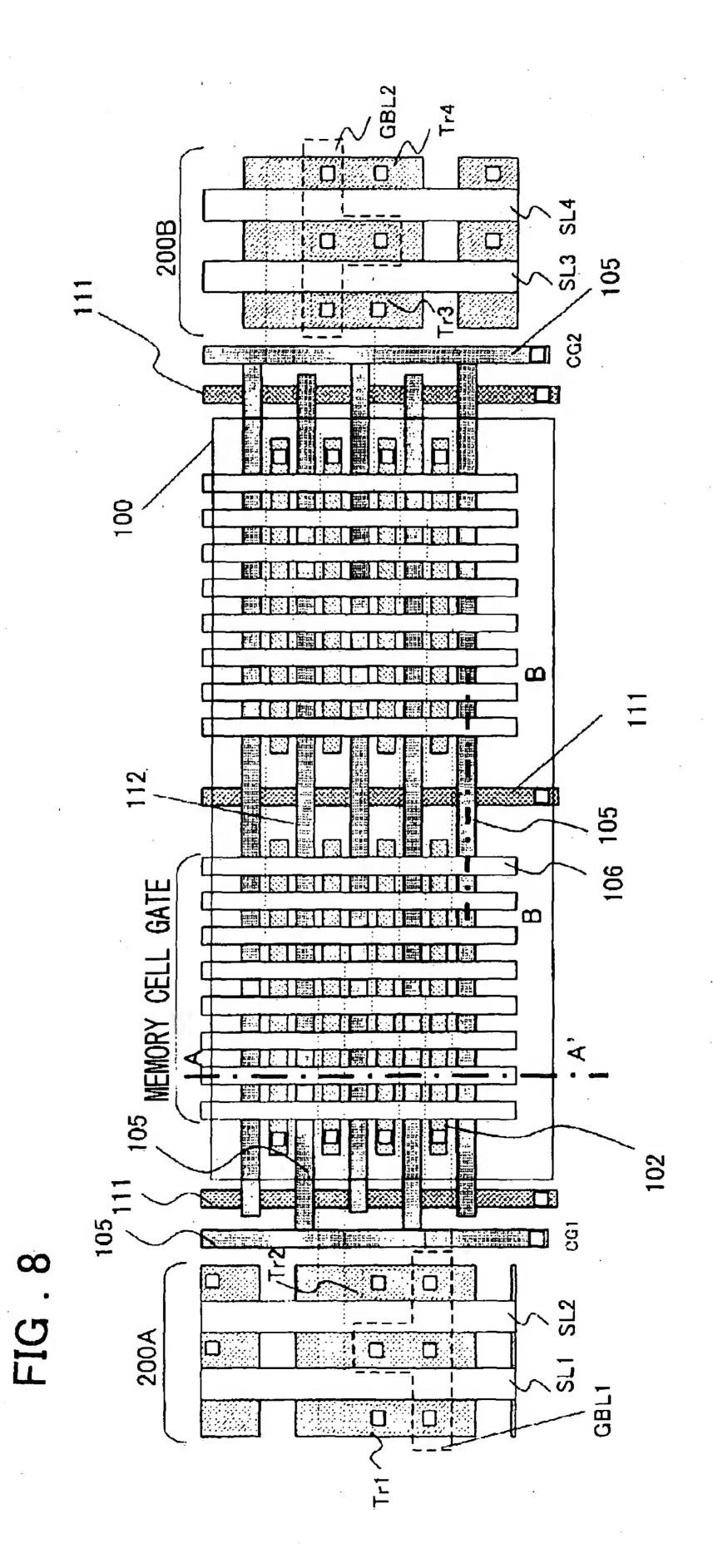
FIG. 6A

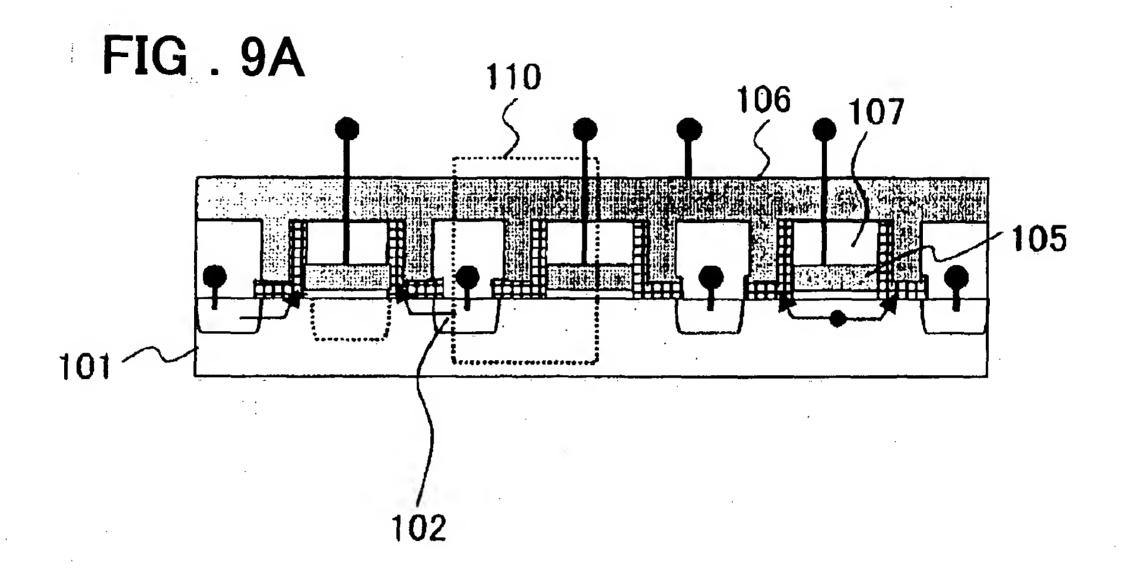


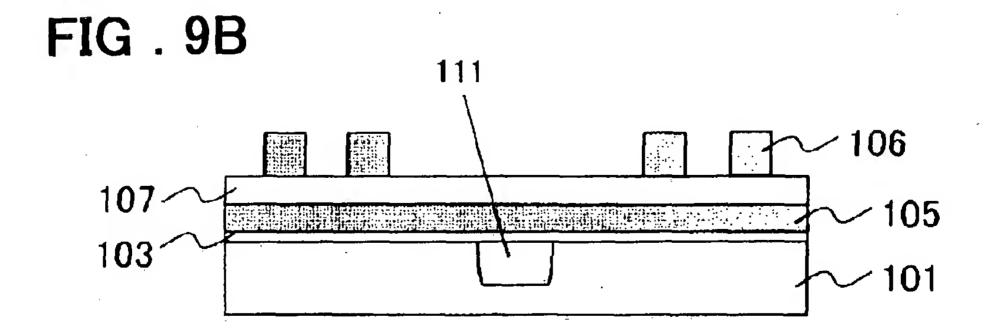


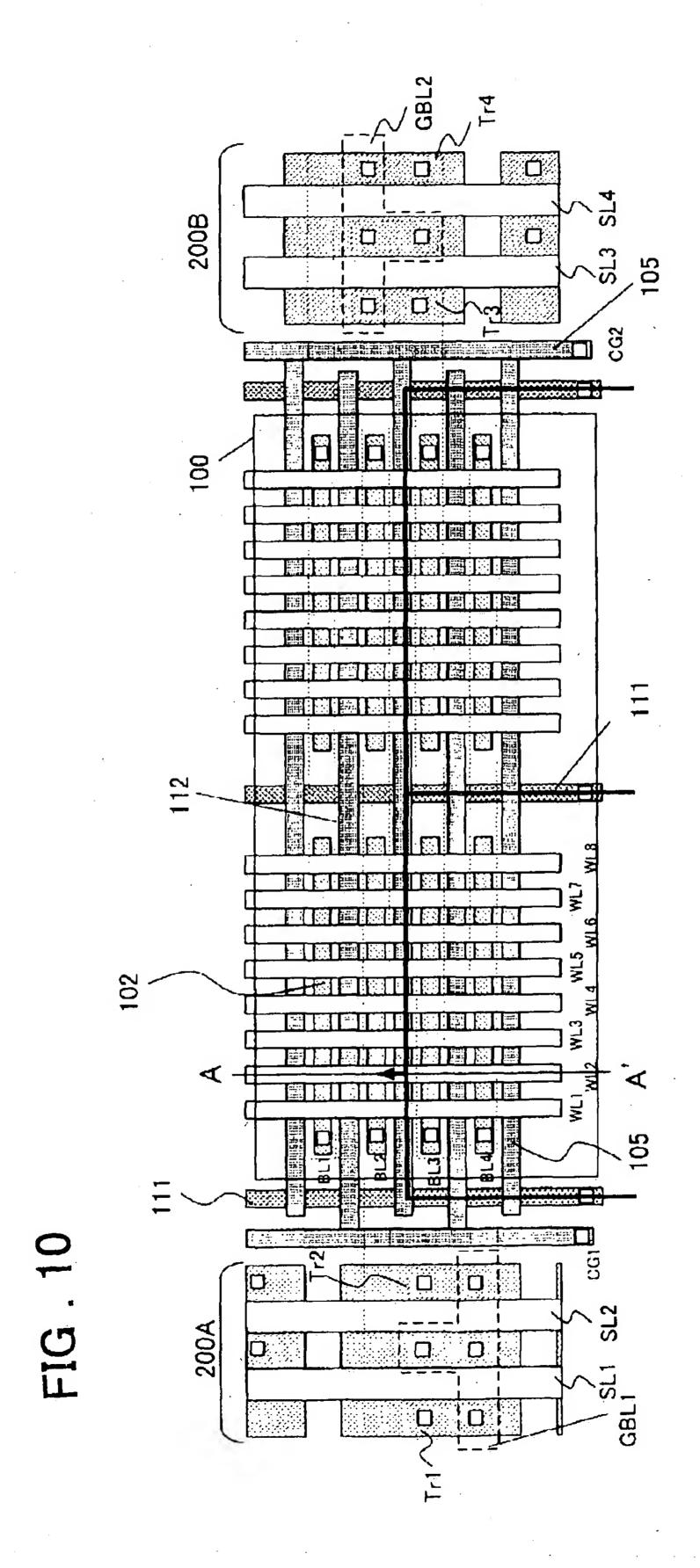


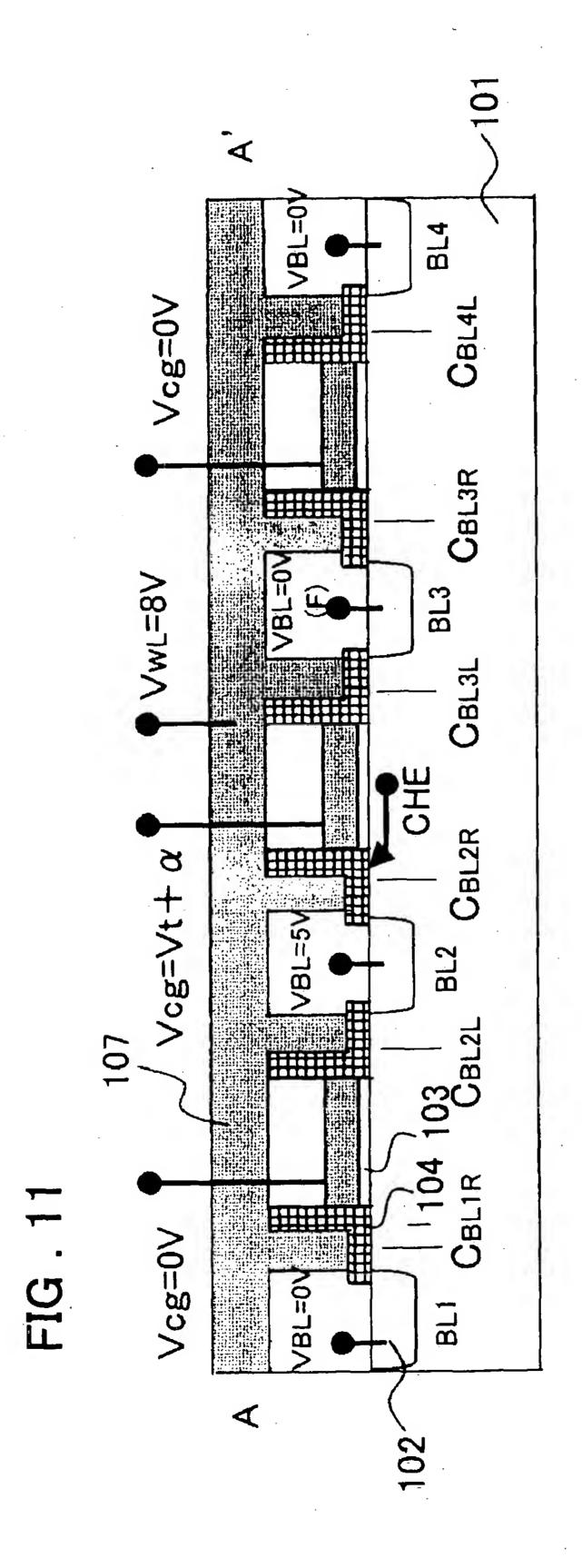


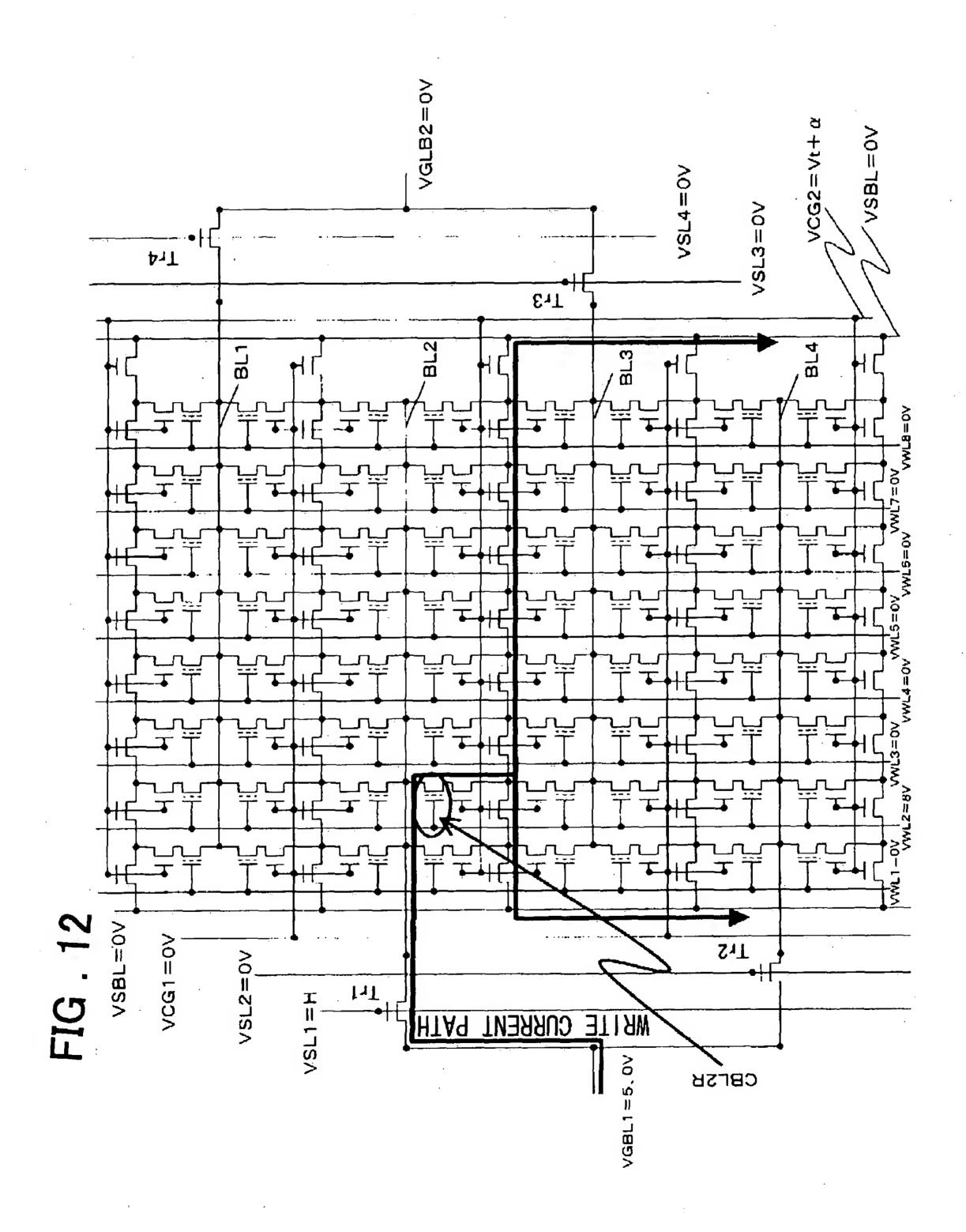


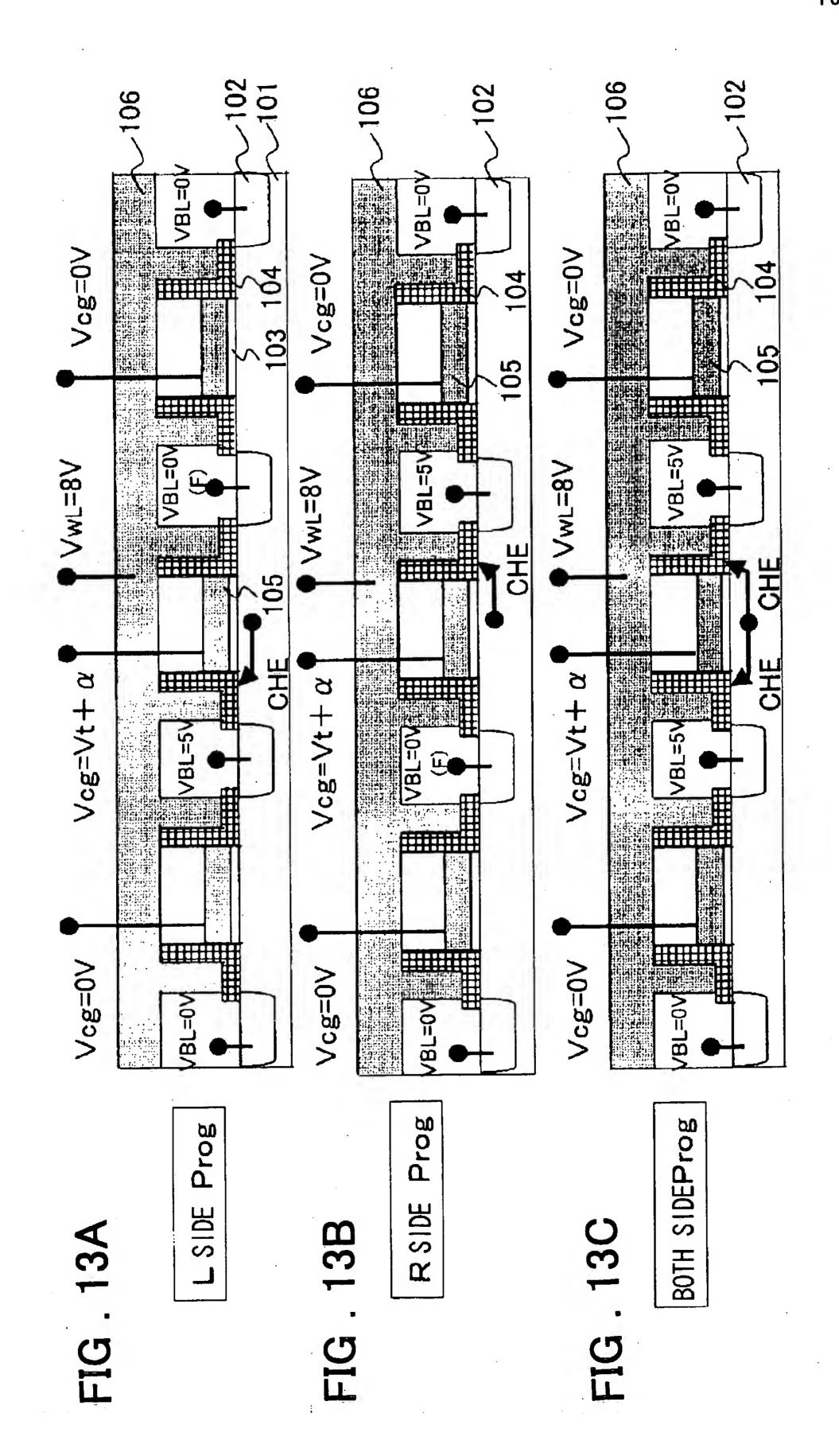












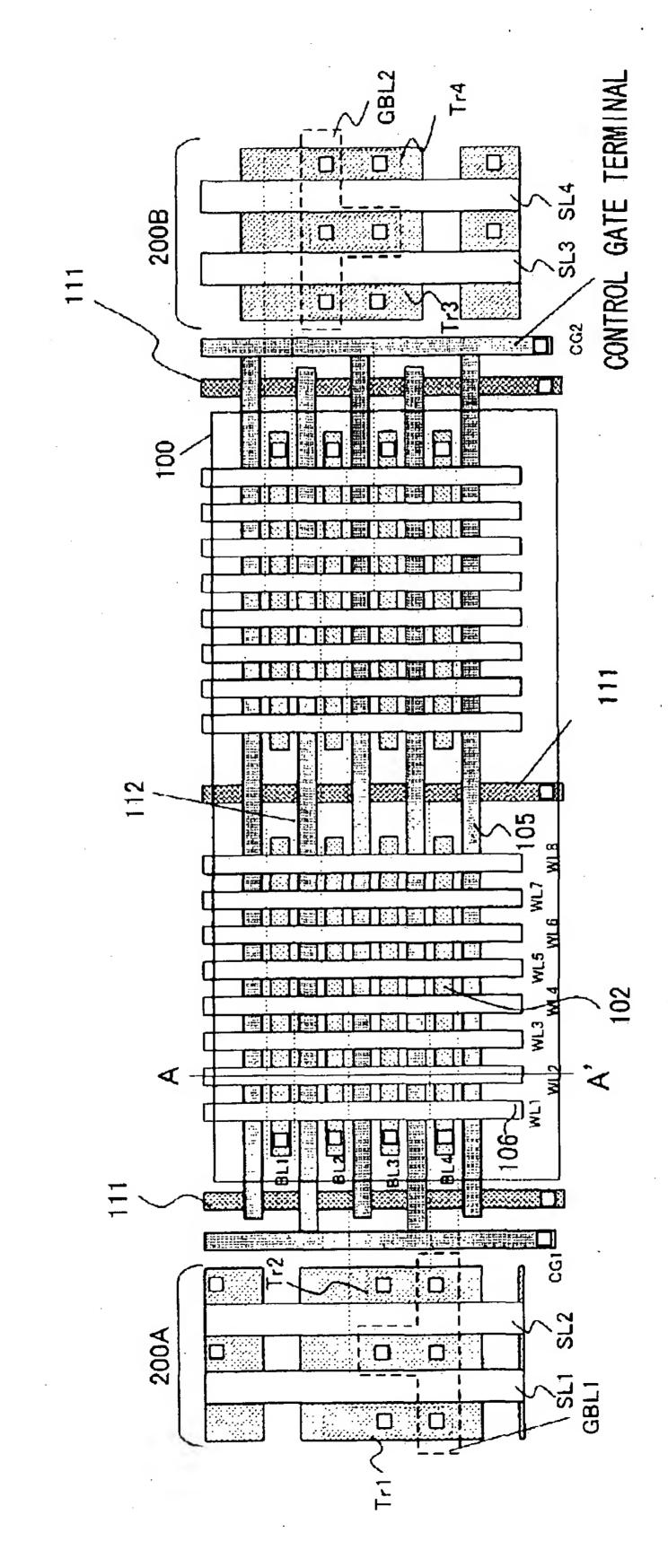
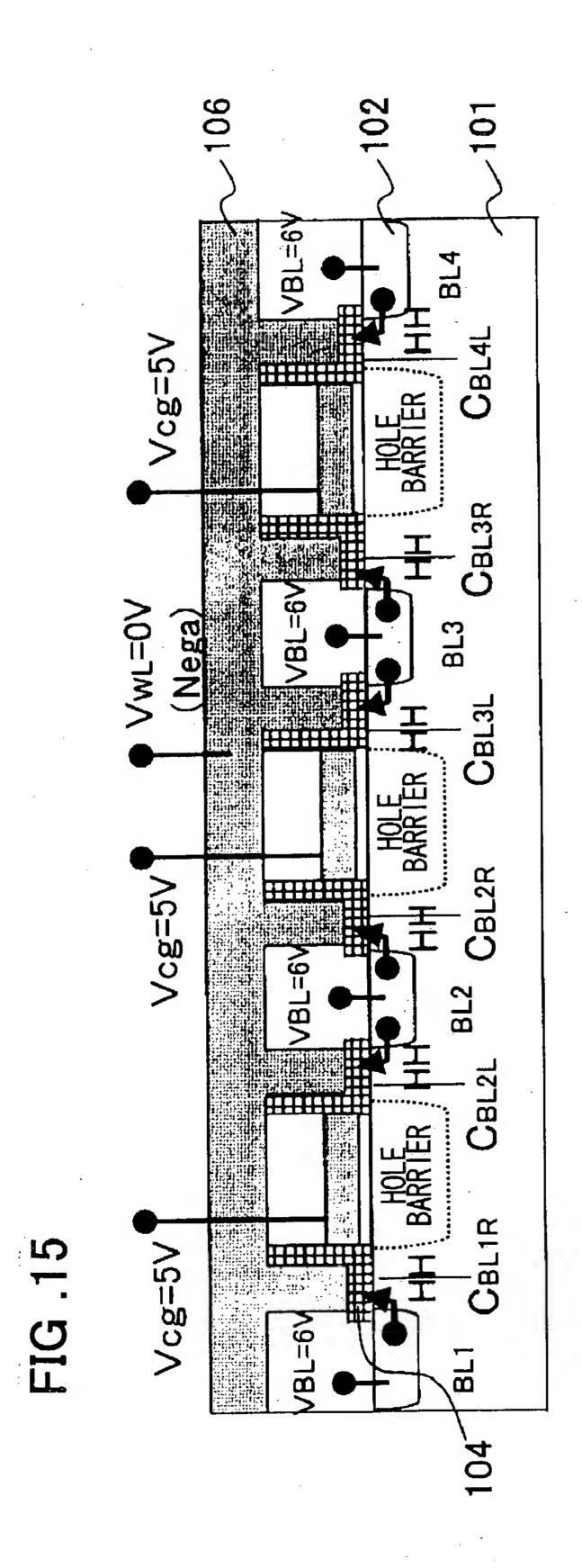
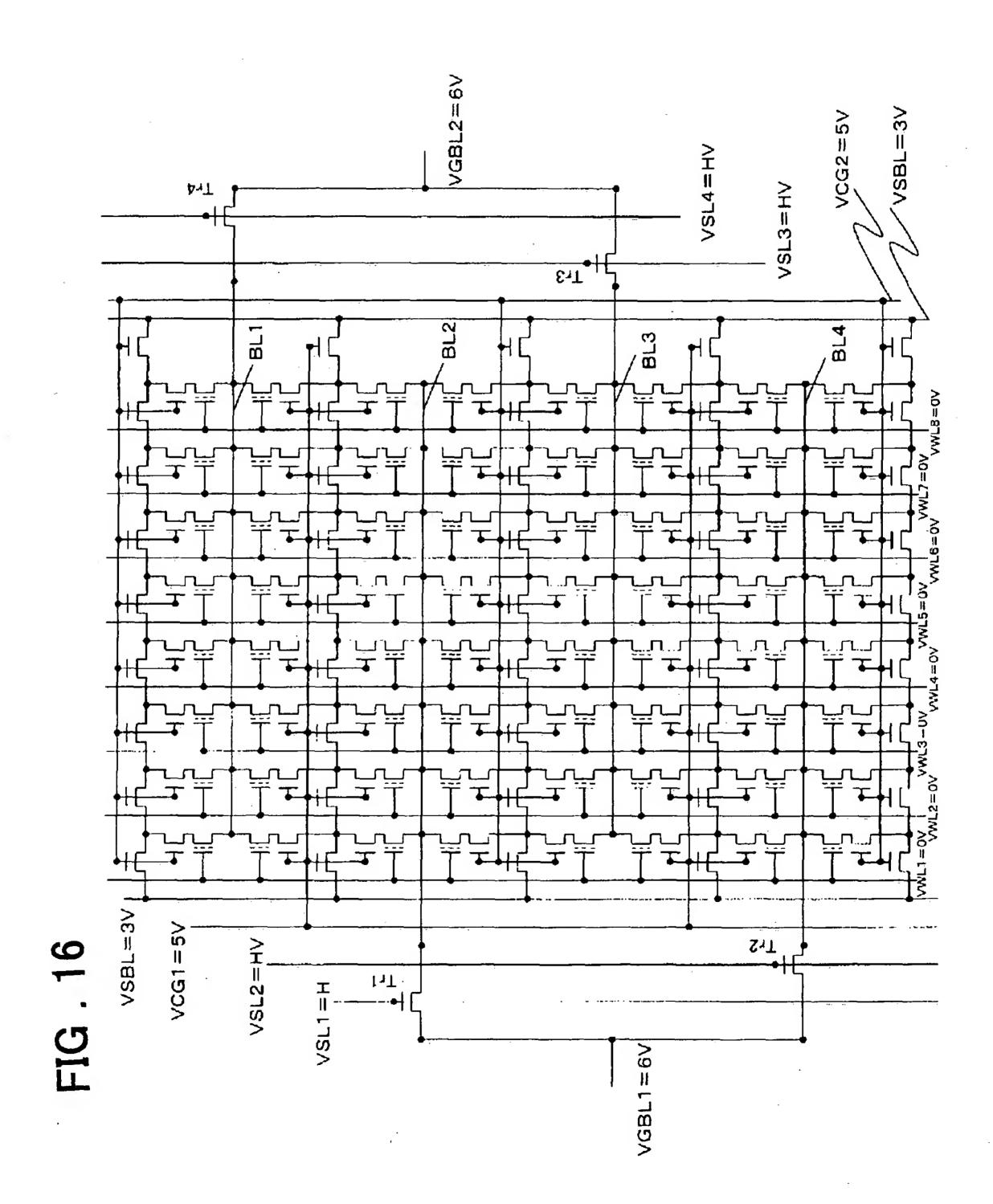
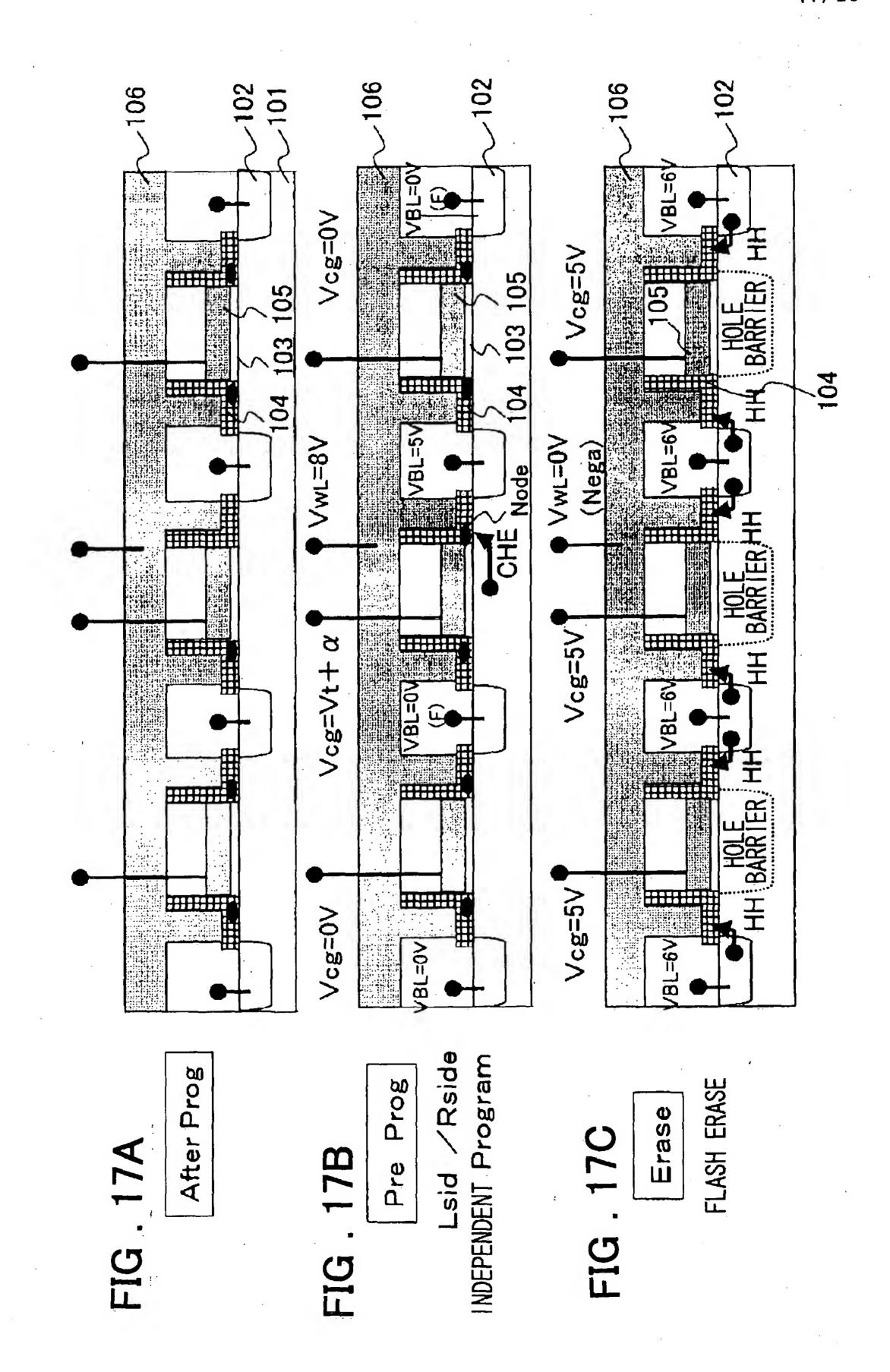
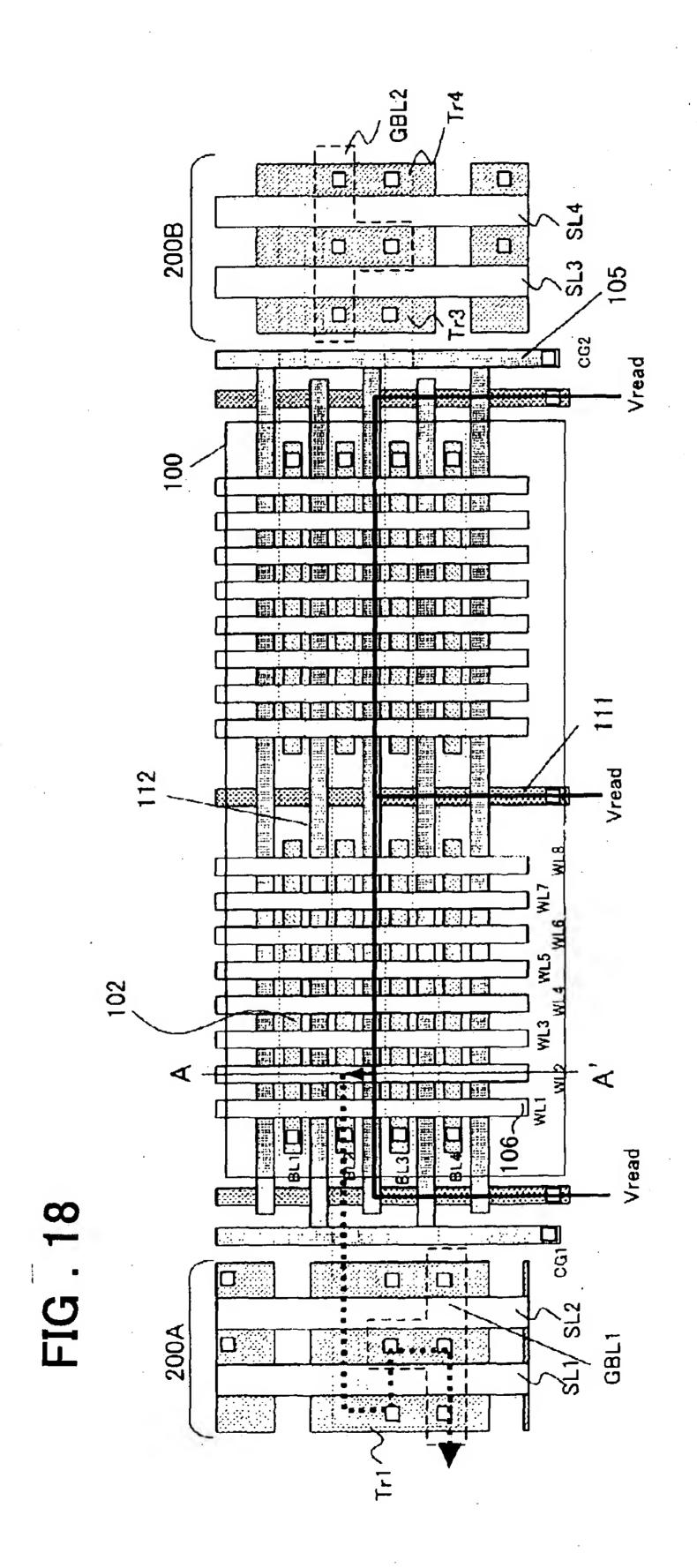


FIG .14









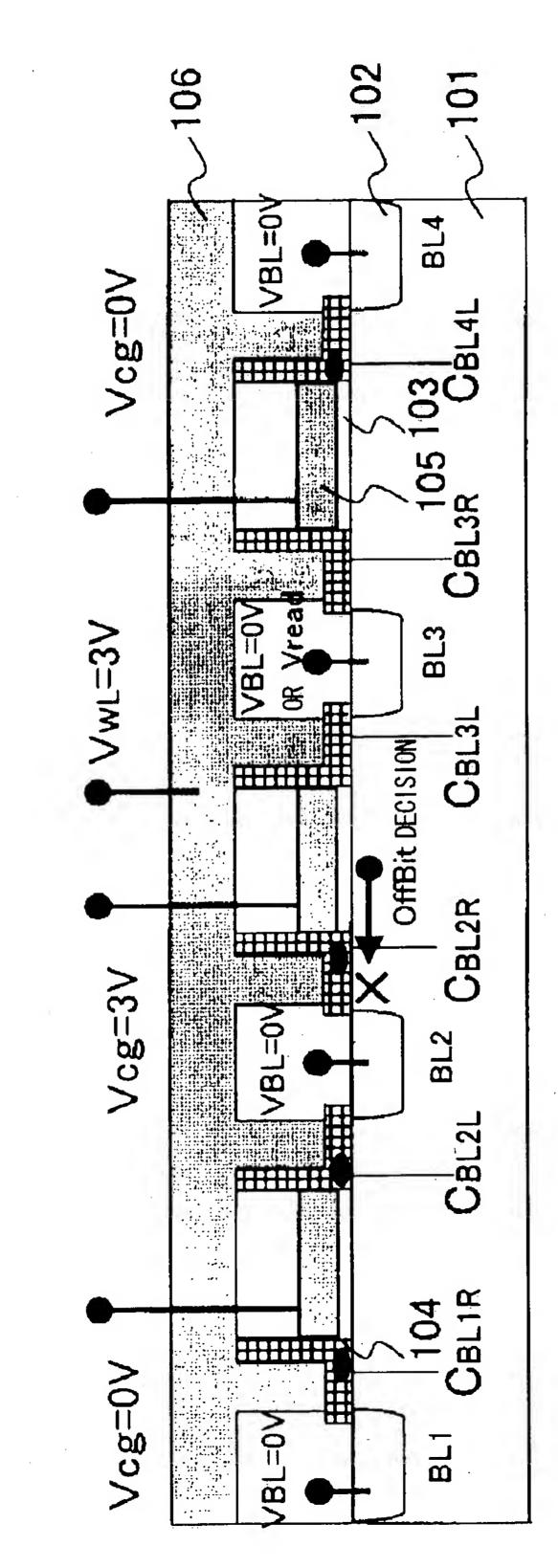
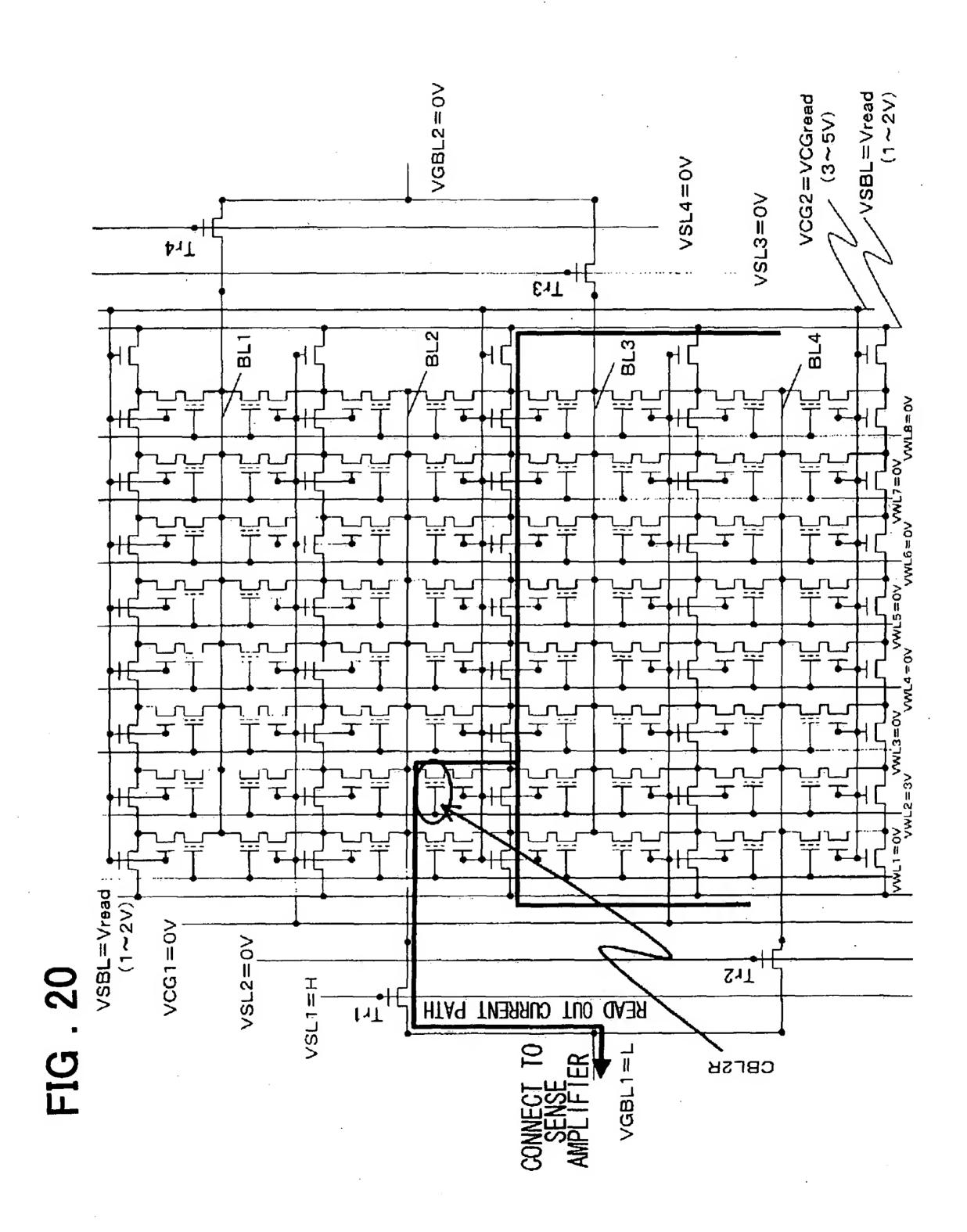
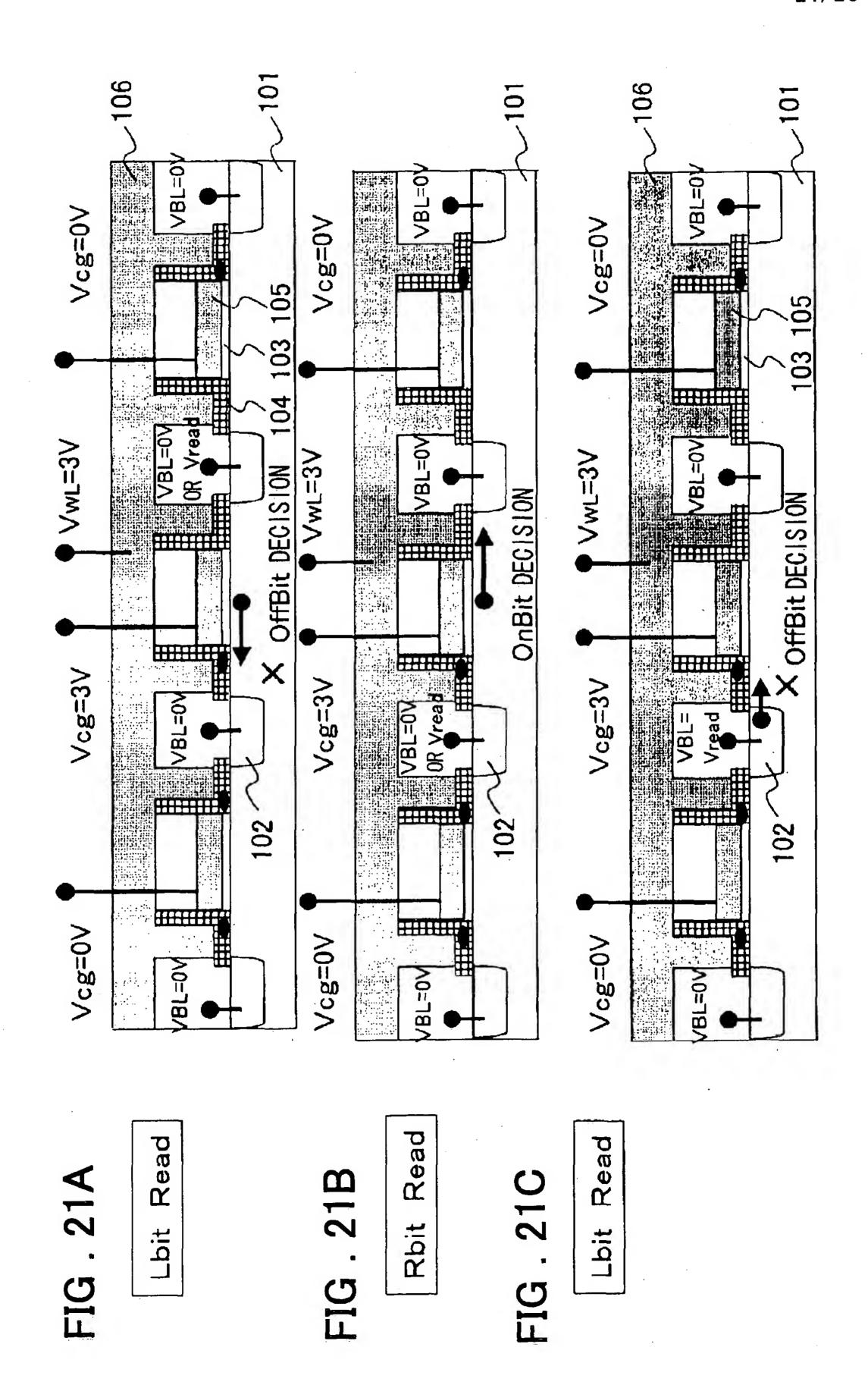


FIG. 1





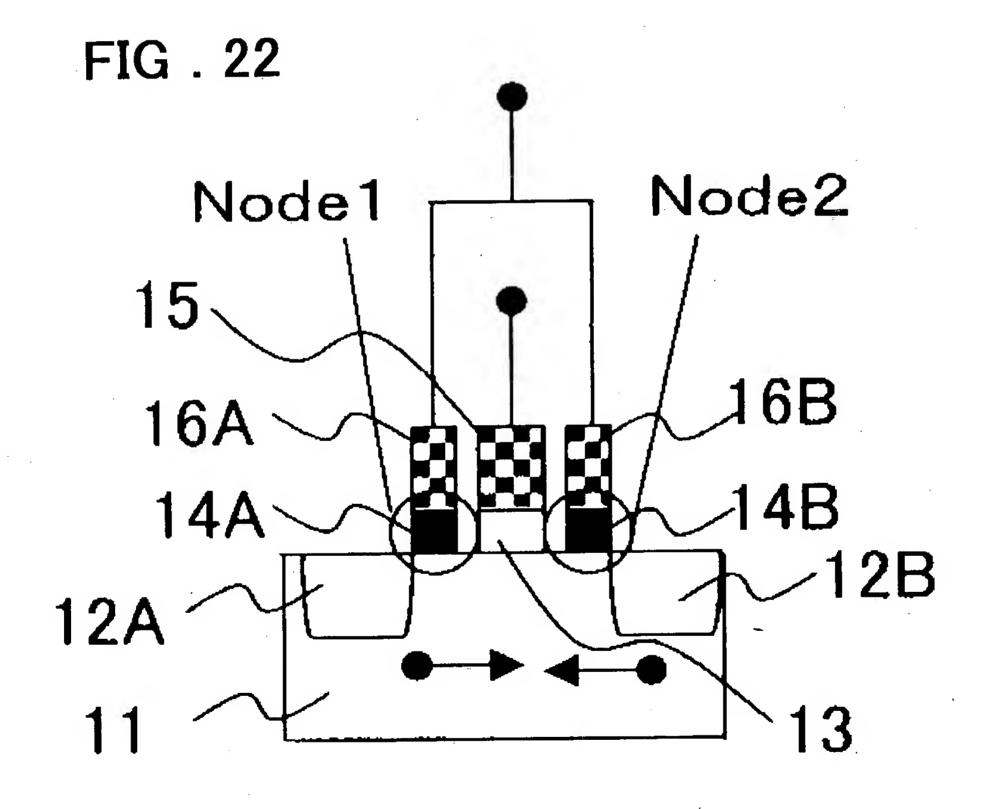


FIG. 23 PRIOR ART

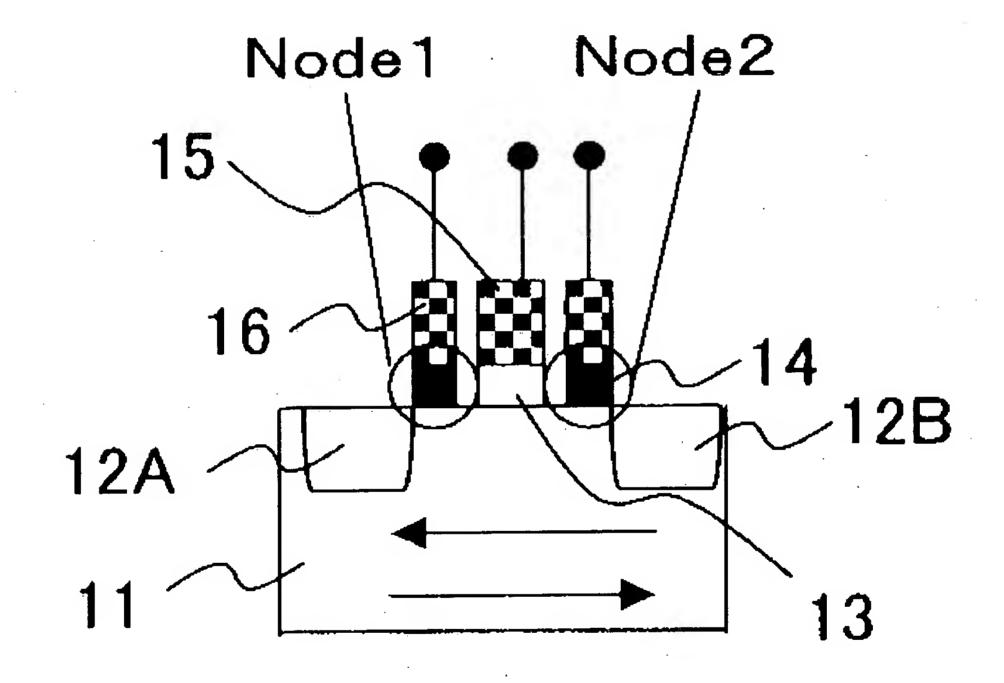


FIG. 24 PRIOR ART

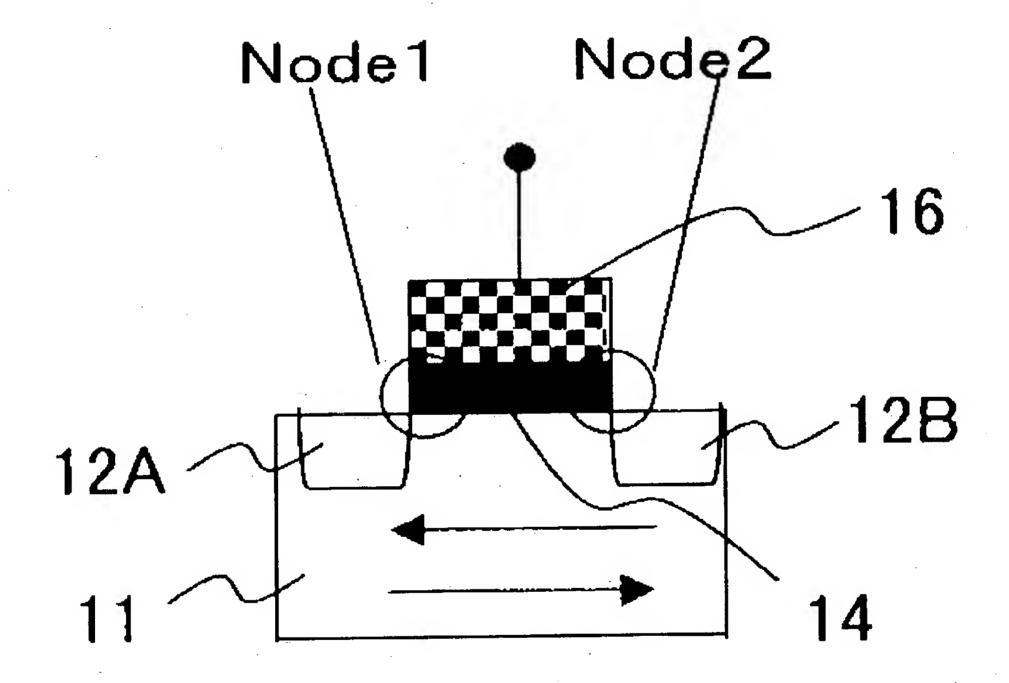


FIG. 25A PRIOR ART

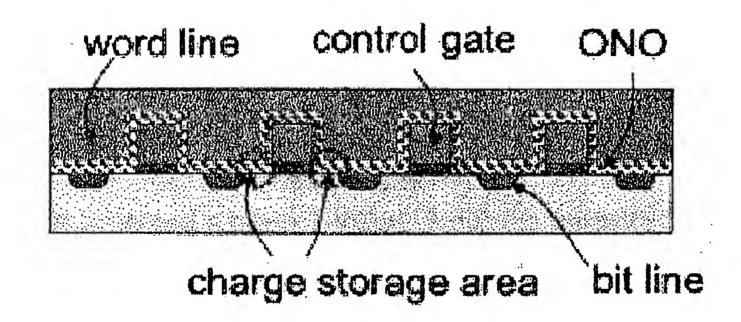


FIG. 25B PRIOR ART

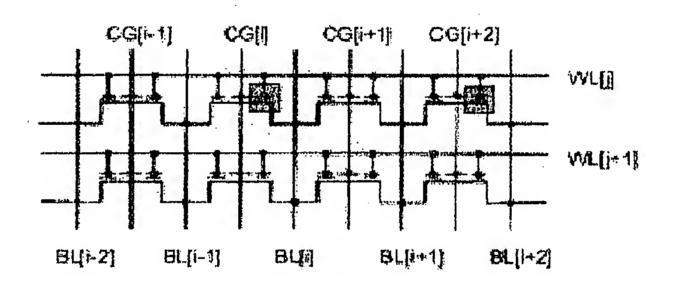


FIG. 25C PRIOR ART

	Wli (j)	WL(k≠j)	BL(I+2n)	BL(I+2n-1)	CG(I+2n)	CG(I+2n-1)
Prog	9.0V	0.0V	5.0V	0. 0 V	1.0V/0.0V	V0.0
Erase	0.0V	0.0V	7.0V	0.0V	5.0V	0.0V
Read	Vread	0.0∨	0.0∨	1.5V	1.5V	0.0V

FIG . 26A

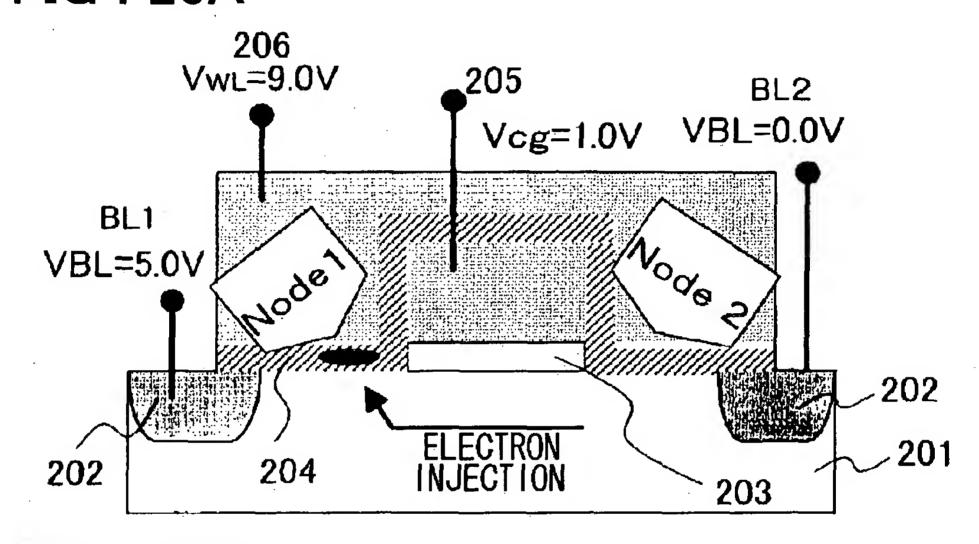


FIG . 26B

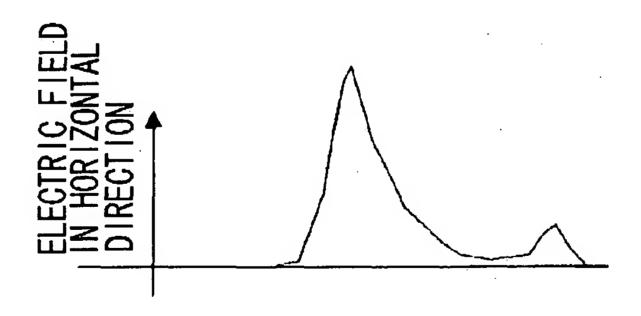


FIG. 27

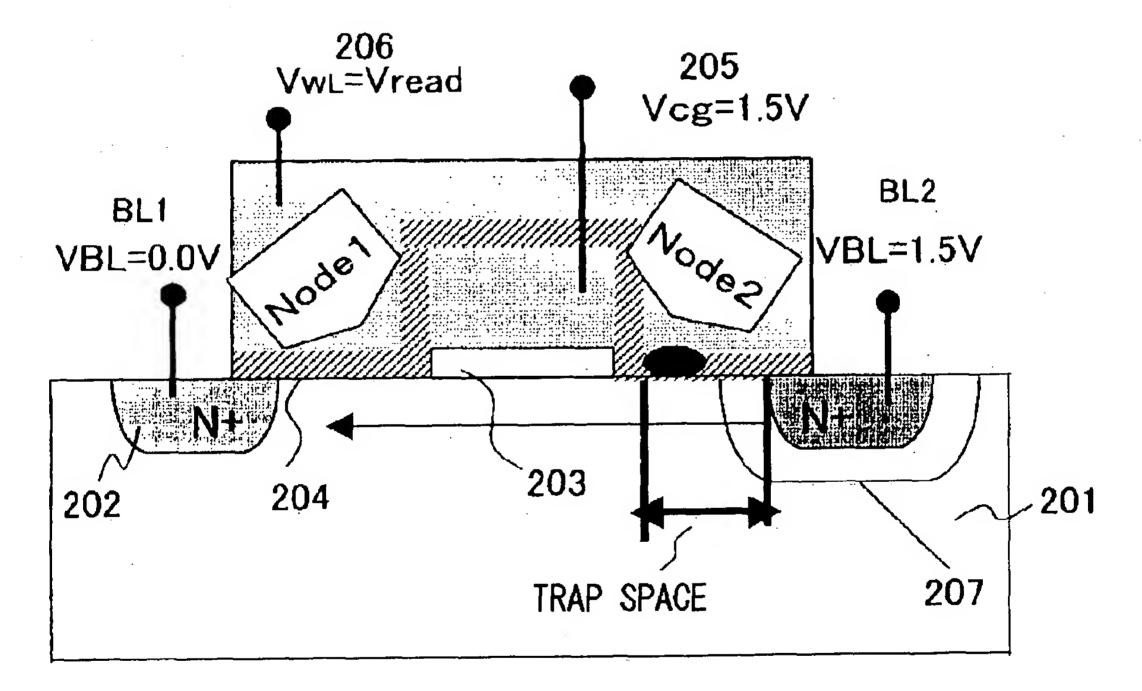
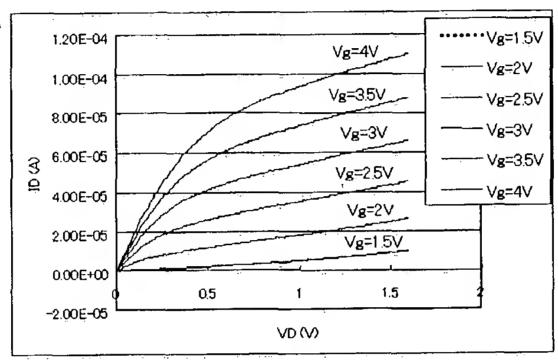
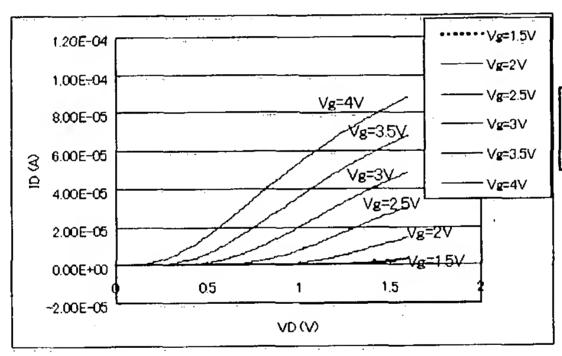


FIG . 28A



Node1:Erased Node2:Erased

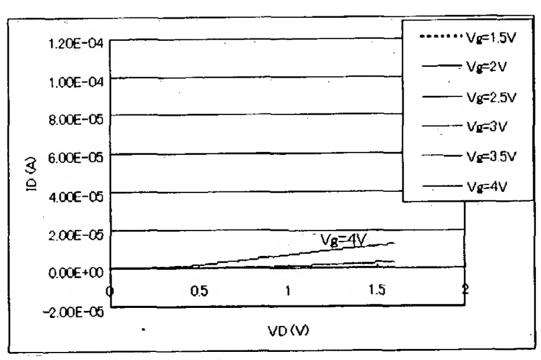
FIG . 28B



Node1:Erased Node2:Programmed

TRAP SPACE 0.03~0.05um

FIG . 28C



Node1:Erased Node2:Programmed

TRAP SPACE 0.2~0.25um

FIG . 29

